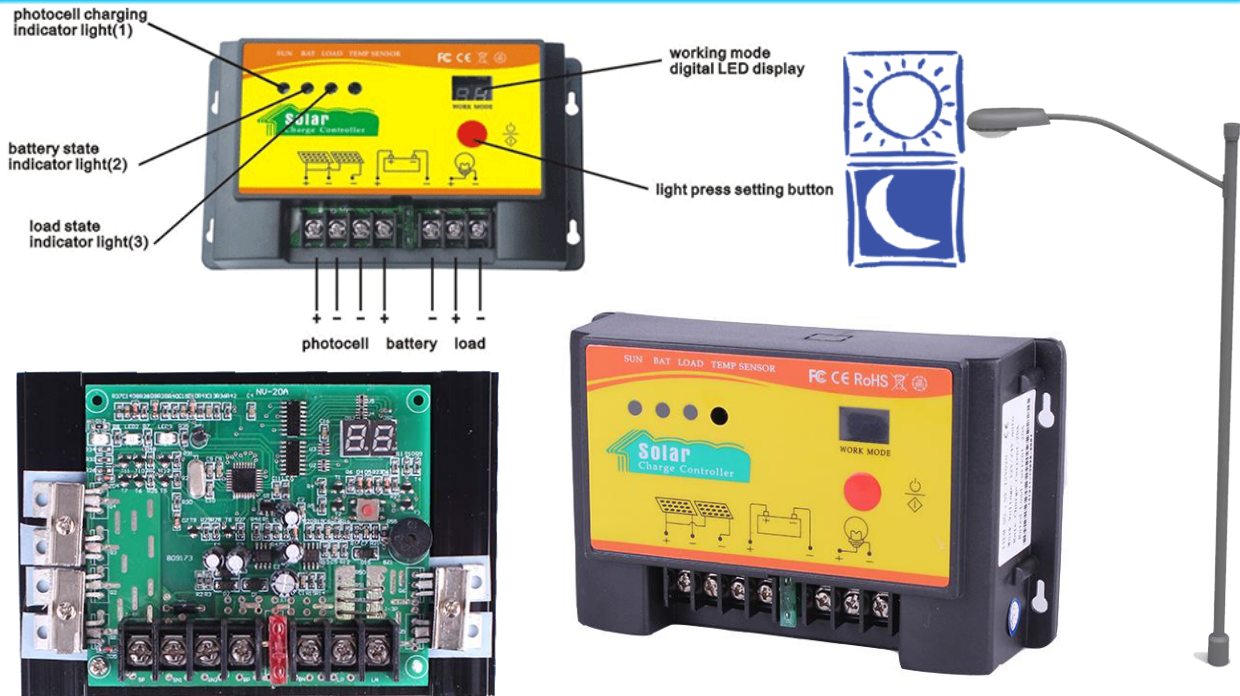


SYSTEM SOLAR STREET LIGHT CHARGE CONTROLLER



Rated charge current	10A, 20A, 30A
Rated load current	10A, 20A, 30A
System voltage	12v/24v/ AUTO. distinguish
Overload, short circuit protection	over the rated current 1.25 times for 60 seconds, or over the rated current 1.5 times for 5 seconds ≥ 3 times rated current short circuit protection
No-load consumption	$\leq 6\text{mA}$
Charging loop pressure drop	$\leq 0.26\text{V}$
Discharge loop pressure drop	$\leq 0.15\text{V}$
Overpressure protection	17V ; $\times 2/24\text{V}$
Working temperature	Industrial grade: $-35^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Promote charging voltage	14.6V ; $\times 2/24\text{V}$ (maintain time : 30 min) (Only used for over discharge)
Straight charging voltage	14.4V ; $\times 2/24\text{V}$ (maintain time : 30 min)
Floating charging	13.6V ; $\times 2/24\text{V}$ (maintain time : until fall to the charging return voltage)
Charge return voltage	13.2V; $\times 2/24\text{V}$
Temperature compensation	-5mv/ $^{\circ}\text{C}/2\text{V}$ (promote , straight charging , charge return voltage compensation)
Under voltage	12.0V ; $\times 2/24\text{V}$
Over discharge voltage	11.1v-no-load voltage ; $\times 2/24\text{V}$
Over discharge return voltage	12.6V; $\times 2/24\text{V}$
Control method	PWM

1. System specification Of Solar Charge Controller

This controller designed for solar energy system, solar street lamp system , using a special computer chip intelligent controller, complete all operating and Settings by pressing one button . Automatically shutoff and resume to protect against short circuit, overload, over charge , over discharge . With LED light indicating the battery charging state, load and kinds of fault instructions. This controller takes parameters according to the battery voltage, current, environment temperature by the computer chip ,after special control calculation, it can realize the discharge rate conform to battery characteristics perfectly . Compensate temperature at very high efficiency and accuracy , used the high efficient PWM charging mode , ensure the battery working in the best state , greatly extend the service life of the battery. It has different choices of work patterns , can meet the various needs of users.

2. Working pattern setting table Of Solar Charge Controller

O = open , C = close , (T) = test pattern ,without 10min delay

Working pattern & LED figure

Light control O+light control C	0
Light control O+1h working +C	1
Light control O+2h working +C	2
Light control O+3h working +C	3
Light control O+4h working +C	4
Light control O+5h working +C	5
Light control O+6h working +C	6
Light control O+7h working +C	7
Light control O+8h working +C	8
Light control O+9h working +C	9
Light control O+10h working +C	10
Light control O+11h working +C	11
Light control O+12h working +C	12
Light control O+13h working +C	13
Light control O+14h working +C	14
Light control O+15h working +C	15
Human control O + human control C	16
Light control O + Light control C (T)	17

3. Main characteristics Of Solar Charge Controller

A. Using the single-chip and special software on the basis of expert control system , realized the Intelligence Optimization SOC control

B. Using External temperature transmitter to compensate temperature , much precise than internal temperature transmitter

C. Automatic protect against over charge , over discharge , electronic circuit , overload , these protections avoid any harm to the component or fuse wire .

D. Take series connection PWM charge as the main circuit , charging efficiency is 3%~6% higher than non-PWM charging .

E. All the control adopt Industry-specific chip , can running free under any cold , hot , humid circumstance .

F. Making full use of the advanced power source technology , Greatly improved the effective power of unit area, much more compact structure.

G. The large diameter, big interval terminals, can install 6 mm² conducting wire , wire interval is 9.5 mm, can enhance the isolation and the installation reliability, wires hard to slipping.

4. Our Advange Of Solar Charge Controller

Customized--We are the manufacturer! sample &OEM&ODM are available!

Safety--We have own test chart, all of our products have been rigorously tested in the factory.

Certification--We have CE, FCC, ROHS and quality management system certification.

High Quality--Our company uses the most advanced equipment to make the best quality products.